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A Brief Word...

What a marvellously mild Autumn we have had and winter hints it may be less severe than initially anticipated.

The good thing is the work season is unexpectedly lengthened for all disciplines. A comfortable winter should put money into contractors hands without significant wear and tear costs. That bodes well for equipment expenditures, parts, refurbishments and new equipment that should breath some life into struggling dealers.

Ultimately though with a weak currency and over extended government debts what is the prognosis for 2016?

Unless commodities surge and/or the Bank of Canada makes even a modest increase to the prime rate our economy will languish. Government spending will come under pressure, taxes will rise and we’ll be looking at an economic slump akin to that of the 1970s.

For readers, that isn’t good news, nor is it something you can control. The only thing you can do is seek efficiencies and invest in niche market and emergent technologies to do specialist work with a minimal overhead. Baling dirt, hammering nails or laying asphalt aren’t going to make for an easy life.

On a lighter note, we hope your seasonal break was pleasant and that you will rise to the challenges that 2016 promises to deliver.

Happy Hogmanay!
TINGLEY’S HARVEST CENTER JOINS JCB’S NORTH AMERICAN DEALER NETWORK AS TINGLEY’S JCB

Tingley’s Harvest Center, headquartered in Lloydminster, Alberta, is partnering with JCB, at their North Battleford and Lloydminster locations, as Tingley’s JCB. The dealership now carries JCB’s industry-leading articulated telehandlers, wheel loaders, excavators, agricultural and compact Loadalls, Fastrac high speed agricultural tractors, and skid steer and compact track loaders.

Growing from its roots as a service shop providing parts, shop and field repairs to its customers, Tingley’s Harvest Center was officially founded in 2002 by owner Shane Tingley as a full-service CLAAS dealership. Now the business will again expand and pair its current range of combines, forage harvesters, balers, hay tools, seeding and tillage implements with JCB’s industry leading agricultural equipment, including the world’s safest and most innovative skid steer, known for its patented single-arm PowerBoom and uniquely safe side-entry. Tingley’s JCB also offers a fully-stocked parts department and a full-service maintenance team featuring professionally trained JCB mechanics. In addition to providing services for their full line of equipment, the company offers in-field repairs to ensure prompt service and minimal customer down time.

“We have always prided ourselves on having the best solution for every agricultural application,” said Shane Tingley, president and CEO of Tingley’s JCB. “As we are expanding our business to Eastern Alberta and Western Saskatchewan, we knew partnering with JCB would provide our customers with the most productive agricultural equipment in the industry. Being a family-owned business we care about our customers like family, and we are excited to partner with a company, like JCB, that shares the same values.”

Tingley’s JCB has adopted JCB’s overall look and brand, and the dealership will be utilizing advertising and marketing to further communicate the availability of JCB equipment within Eastern Alberta and Western Saskatchewan.

“Tingley’s Harvest Center has consistently provided customers with top notch quality service,” said Dan Schmidt, JCB North America’s vice president of Agriculture. “JCB is excited to pair its industry leading agricultural equipment with a dealer like Tingley’s JCB, and their customer-driven staff.”

Source: JCB

BOBCAT INTRODUCES NEW AUTHORIZED DEALER

Bobcat Company has expanded its dealer network with the addition of Équipements Plannord ltée as an authorized sales, service and parts, and rental provider of Bobcat equipment. The dealership is located in Lévis, Quebec, near Quebec City.

Founded in 1976 for the sale of snow groomers and sidewalk snowplowing machines, Équipements Plannord ltée has grown into 2 locations - Lévis and Laval – and now serves the greater Quebec area with machinery for year-round use.

“We chose to add the Bobcat product line to our business because it’s a good product with a good reputation and it will...
complement our existing product line,” said Simon Paquet, general manager of Équipements Plannord ltée.

Today, Équipements Plannord ltée serves municipalities, heavy construction companies, snowmobile clubs, governmental agencies and individuals. The addition of Bobcat will also help the company serve farmers, landscapers and light construction companies.

The business has thrived by focusing on delivering the best possible service to customers and creating an excellent work environment for employees. Équipements Plannord ltée provides customers with a one-stop source for sales, service, parts and long-term rentals. Customers also enjoy the convenience of the company’s central location and easy access.

Source: Bobcat Company

REDHEAD EQUIPMENT TAKES OVER SENNEBOGEN SALES IN SASKATCHEWAN

One of the largest heavy equipment dealers in Saskatchewan, Redhead Equipment, now offers sales, parts, service, and financing on SENNEBOGEN material handling equipment.

Constantino Lannes, president of SENNEBOGEN LLC, announced Redhead’s appointment as the latest addition to the SENNEBOGEN distributor family. “With 7 locations from Lloydminster to Swift Current and more than 100 technicians in the province, Redhead can provide fast, reliable service for SENNEBOGEN customers,” he says. “As a matter of fact, they have already scheduled a number of their techs to come to Stanley for training before Christmas – that’s commitment.”

“What sets us apart is our long history of parts and service support in Saskatchewan,” says Gary Redhead, president and CEO of Redhead Equipment. “We’re well respected in the industry. We have a reputation for getting the job done.”

Mr. Redhead views SENNEBOGEN’s strong reputation for quality as a good fit for his business. “I talked to a lot of dealers, and I never heard a bad thing about SENNEBOGEN anywhere. That’s the kind of partner you want.” He adds that Redhead employees “are definitely very pumped” about extending their lineup with SENNEBOGEN material handlers.

Gary Redhead also likes the fact that SENNEBOGEN has a culture of problem solving for its customers. “SENNEBOGEN is willing to build equipment to solve a particular problem. That means our customers’ choices are truly unlimited,” he says.

By adding SENNEBOGEN to its product lineup, Redhead Equipment can now offer its existing customers a purpose-built choice for their material handling applications. The change will help Redhead staff build on their existing customer relationships in a variety of industries. Redhead also identified applications for SENNEBOGEN equipment within the scrap, steel and forestry industries. With a forestry specialist on staff, he plans to begin demonstrating SENNEBOGEN forestry equipment soon.

Source: SENNEBOGEN LLC

FortisBC TILBURY LNG EXPANSION PROVIDING SIGNIFICANT ECONOMIC AND EMPLOYMENT BENEFITS ACROSS THE LOWER MAINLAND

British Columbia-based companies and skilled workers are benefiting from the expansion of FortisBC’s Tilbury liquefied natural gas (LNG) facility in Delta, according to data released recently by FortisBC on the one-year anniversary of the groundbreaking for the expansion.

FortisBC has committed more than $50 million in local contracts in 2015 and is using products and services sourced from more than 100 companies in 10 local communities. To date, the expansion project has generated more than 65,000 hours of employment and provided apprenticeship and First Nations training.

FortisBC has engaged Bechtel Canada Co. as prime contractor on the project. FortisBC is also proud to work with the Tsawwassen First Nation (TFN) Construction / Matcon Civil Joint Venture, which provides civil construction site services. Together, these firms have approximately 95 staff working full time on the project – 90% of these employees reside locally. Also contributing to the project are 40 trade workers from Western Pacific Enterprises, the general contractor working on the associated electrical substation.

“From the beginning, we’ve strived to give local businesses and First Nations the opportunity to work on our Tilbury expansion project, including the early design and engineering phase, and now construction and civil work,” said Michael Mulcahy, president & CEO of FortisBC. “Thanks to those early efforts to engage local suppliers, we have a significant number of B.C.-based companies prequalified and active on the project.”

“We are actively working with local businesses and craft professionals to maximize their participation in this important energy project,” said Roger Radabaugh, Bechtel’s project manager on the project. “We are looking forward to continued collaboration with FortisBC in delivering significant economic and employment benefits to the region.”

In October 2014, FortisBC held the first business-to-business meeting in Delta as part of its local contractor strategy. Throughout 2015, representatives from Bechtel, also based in Delta, met one-on-one with a number of local suppliers to prequalify businesses for the opportunity. Currently, there are 475 craft workers registered for Tilbury.
IPAF Operator Training Heads to New Zealand

The first IPAF-approved training centres in New Zealand have opened and are ready to deliver high quality training for operators of mobile elevating work platforms (MEWPs).

Accessman, the largest specialised rental company in the South Island of New Zealand, recognised the opportunity to offer IPAF training to meet the demand driven by the Christchurch rebuild, said Lena Harrington, Accessman’s general manager. Training is also being driven by the country’s evolving Health & Safety Act, which has recently undergone reform and is due for release in April 2016, she added.

“IPAF provides a professional alternative to the only option currently available within New Zealand,” said Ms Harrington. “Plus points are the five-year validity of the PAL Card, stringent training guidelines and streamlined processes. IPAF certainly delivers a total package with administrative support and innovative technology that will in time revolutionise the hire industry. The safety of our customers remains our number one priority and with IPAF on board, we have a training system that delivers by going above and beyond.”

Accessman is due for release in April 2016. The $400-million expansion at the Tilbury facility will allow FortisBC to meet the growing domestic demand for clean burning natural gas for the transportation industry and as an energy source for remote communities.

“FortisBC is proving B.C.’s LNG industry not only has the potential to create opportunities for companies and workers across the province, but that in Delta, it’s already happening,” said Premier Christy Clark.

“Our LNG opportunity remains strong thanks to the industry’s commitment to invest and grow the sector,” said B.C.’s Minister of Natural Gas Development Rich Coleman. “FortisBC’s financial commitment will create jobs and strengthen the economic prospects for British Columbia in the longer term.”

Construction of the storage tank started in October 2014. FortisBC expects the expanded facility will be operational by winter 2016.

Source: FortisBC

DOZR OFFERS SOLUTION FOR CONTRACTOR EQUIPMENT PROBLEMS

Dozr Inc. recently announced the province-wide launch of their peer-to-peer equipment-sharing platform, making it available to all contractors in Ontario. Using Dozr’s platform, contractors can rent their high quality but underutilized equipment to other verified contractors in Dozr’s trusted network.

“We are excited to make our platform available to contractors across Ontario,” says cofounder Erin Stephenson. “Renting equipment between contractors is not a new concept, but Dozr provides the technology needed for contractors to safely expand their network of potential renters in a secure way.” Dozr verifies all contractors that join the community to ensure that equipment remains in good hands at all times and provides rental contracts that clearly define the terms of the rental and responsibilities of all parties involved to eliminate potential misunderstandings.

“Renting equipment between contractors creates a huge mutual benefit for the industry, so we want to remove any barriers that might deter contractors from doing this.”

Cofounder Kevin Forestell is a longtime member of Landscape Ontario. As a landscape contractor himself he understands the industry and problems contractors regularly face. “Dozr helps contractors generate a new stream of revenue from equipment that would otherwise be sitting idle,” he says. “Contractors can invest this revenue back into their business to fund growth or lower their overall equipment costs to be more competitive on bids.”

Dozr also helps remove barriers to entry for small businesses.

“The capital required for equipment purchases can be a major barrier for many small contractors,” adds Mr. Forestell. “By supplementing payments with rental income expensive equipment suddenly becomes more affordable. Dozr can even help contractors find financing for their equipment purchases.”

Contractors save money by renting the equipment they need through Dozr as well. Rentals are frequently up to 40% less than
retail rental rates. Equipment can be rented with or without an operator and can be sold when no longer needed. Dozr rentals are hassle-free and worry-free, giving contractors the confidence they need to share equipment within the community.

Dozr has made several updates to their website as part of the launch including the ability for contractors to list their own high quality yet underutilized equipment for rent, and book rentals all online. Dozr has also implemented a rating system for both equipment owners and renters to provide an added layer of assurance to contractors that they are dealing with another reputable business.

Source: Dozr

GIVENHANS CO ADVANCES ITS SOFTWARE SUITE TO OPTIMIZE READY-MIX MATERIAL PRODUCTIVITY

In an effort to streamline logistical power, efficiency, and flexibility for ready-mix producers, leading developer of producer-driven software for the ready-mix construction industry, GivenHansco has upgraded essential functionality for its Keystone Accounting suite. The only full financial accounting software specifically designed for the construction materials industry offers new features were designed from the ground up to optimize productivity including:

- Job Site Mapping/Routing capability;
- Edit ticket times for invoiced tickets;
- Product lookup by UPC bar code;
- Low product warning;
- Updated dispatch truck demand graph;
- Improved inventory reconciliation;
- Improved payroll wage rate handling.

Keystone Accounting is uniquely designed to optimize productivity based on the business methods and unique accounting requirements of materials producers. This full complement of integrated solutions is offered in a scalable package—suiting the needs of small one plant operations, to large multi-plant operations.

The newly optimized functions enhance the existing platform’s core mission, of allowing the producers involved to customize full financial and ready-mix specific accounting requirements including: accounts receivable/payable, cash management, general ledger, payroll, time keeping, sales quoting, job costing, PO system, inventory, ready-mix order entry, point-of-sale, aggregate ticketing, and enhanced financial reporting.

According to GivenHansco’s vice president, Ron Wallace, “Implementing this new range of optimized capabilities to the existing accounting suite, will further streamline its industry leading logistical power, efficiency, and flexibility capabilities for materials producers in ready-mix concrete, aggregate, and asphalt.”

Keystone Accounting is part of GivenHansco’s award winning Keystone suite of integrated products that also includes: Batch, Dispatch, GPS, and On-Demand Mobile App—which all feature robust, reliable, easy-to-use, and producer-driven platforms. It also offers the flexibility to work as a stand-alone product with customers’ existing systems—or as part of the Keystone integrated suite of products.

Building long-term relationships is the foundation that allows GivenHansco to provide the most innovative automation.
and software solutions in the ready-mix industry today. All Keystone products are backed by a comprehensive customer support system that is unparalleled in the industry. GivenHansco’s support personnel will assist end-users with setting up initial Keystone modules.

Source: GivenHansco

ESSROC BUYS ROLLMASTER® TO HELP PLANT COMPLY WITH ECO-CERTIFICATION REQUIREMENTS

When the Ready Mixed Concrete Association of Ontario announced in early 2010 that all stationary and mobile concrete batch plants under its domain would have to comply with its eco-certification program, Essroc Canada was already two steps ahead – it was in the process of having its 6 Ottawa-area batch plants certified.

The then-optional eco-certification program was launched by the RMCAO in 2009, in cooperation with the Ontario Ministry of the Environment, to establish environmentally-friendly practices and sustainability norms in the ready mixed concrete industry.

“We think concrete is a wonderfully sustainable product,” says John Hull, president of RMCAO. “We wanted to make sure our industry was environmentally responsible.”

Under the new guidelines, every stationary or mobile ready mixed batch plant is expected to have its eco-green certification by 2015; the process and requirements are similar to LEED certification, says Mr. Hull. Essroc, for its part, already has its Waterdown and Sheffield plants gold-certified – that is, they exceed the minimum environmental requirements in areas like water, chemical and air quality management, as well as community and social impact.

“Sustainability and being environmentally-friendly are huge at Essroc,” says the company’s Ottawa district manager, André Pajot, who has worked there for 20 years. Founded in 1972, Essroc is responsible for having provided the concrete for major building projects such as the Scotia Bank Place arena and the new Canadian War Museum.

From exposing its employees to less dust, to reducing waste by using more accurate technology, Essroc is always looking at ways to lessen the heft of its environmental footprint. One way is by recently purchasing a RollMaster® from BMH Systems to replace its 30-year-old mixer.

“Most companies, like us, have mixers already, but when the mixer outlives its useful life and has to be replaced, it’s important to have a company that knows what they’re doing,” says Mr. Pajot. “It’s very easy to build a new plant, but it’s very hard to customize a new mixer into an existing plant.”

BMH Systems was up for the challenge. After more than 30 years of working together with Essroc and its affiliate companies, BMH Systems went above and beyond to help Essroc determine the best way to retrofit its plant by collaborating with André Pajot and Ottawa director of operations Claude Rabouin on measuring and drawing up a design.

In order to fit the RollMaster® into its stationary batch plant, Essroc relied on BMH Systems’ expertise in engineering optimization – essentially, making sure that it would not only fit in the plant, but that it would be the best fit to streamline operations. BMH Systems also provided the top layout, site and shop assembly, as well as clearly detailed information thus ensuring easy on-site assembly.

Mr. Pajot says he and his colleagues at Essroc appreciated the clarity with which the technical information was relayed, along with the team effort and courteous service they received. “From top to bottom, their team really impressed me,” he says. “They gave us the best value.”

Essroc is currently in the process of retrofitting the plant and plans to install its new mixer next spring.

Characterized by enclosed chutes and a blade shovel system, the RollMaster® is a virtually dust-free mixer in which cement, aggregates and water are lead directly into it – the use of a mixer also eliminates the 10-minute mixing time required by the ready-mix truck, resulting in fewer gas

Munro Becomes DECAST

Munro Ltd. is no more. The concrete infrastructure provider for the construction industry announced on December 3, 2015 that following a change in ownership, the company has changed its name to DECAST Ltd.

The new name speaks to the company’s core competencies of casting infrastructure products, while acknowledging its ownership by the TACC Group and the De Gasperis family. The modernized design of the word mark logo represents the forward thinking and evolution of the company.

DECAST Ltd. will continue to operate its 43,670 m² state of the art facility located in Utopia, Ontario, with plans to grow. DECAST is committed to remaining the largest single combined concrete gravity pipe and concrete pressure pipe of its kind in Canada – and the only one that also produces bridge superstructure and substructure, tunnel segments and railway ties.

“The rebranding of DECAST represents the company’s evolution and direction,” said Silvio De Gasperis, president of TACC Group. “While we remain committed to producing infrastructure and services, we are motivated to provide leading infrastructure solutions.”

The new name is effective immediately and will be implemented across the company’s products, services, and communications in the first quarter of 2016. Company emails and web addresses have also changed to the DECAST Ltd. name.

“We are proud of the work that we’ve done within this industry and this rebrand presents us with an exciting opportunity to forge ahead and do what we do best - produce quality concrete infrastructure products, meeting our customer’s product & design needs, while providing superior service,” said Mr. De Gasperis.

DECAST Ltd. is a leader in the Canadian infrastructure market, including water transmission, bridges, storm and sanitary, engineered precast products and tunneling. With over 600 employees, DECAST’s state-of-the-art manufacturing facility is believed to be the most technologically advanced in the world with the most extensive product line portfolio in the industry.

Source: DECAST Ltd.
As of January 1, 2016
Munro Ltd. has changed its name to DECAST Ltd.

DECAST
Leading Infrastructure Solutions

Our new name speaks to the company’s core competencies of casting infrastructure products, while acknowledging its ownership by the TACC Group.

Although the company name has changed, it is our commitment that DECAST will continue to produce quality concrete infrastructure products. The professionals that you have come to know, trust, and work with, will continue to meet all of your design needs and provide the superior service our customers have come to expect.

DECAST will continue to operate its state of the art facility located in Utopia, Ontario, with plans to grow. DECAST is committed to remaining the largest single combined concrete gravity pipe and concrete pressure pipe facility of its kind in Canada with the most extensive product line portfolio in the industry!

DECAST thanks all of our loyal clients and stakeholders for their continued support and looks forward to continuing our valued relationships and providing Leading Infrastructure Solutions.

For more information: 1.800.461.5632 or decastltd.com
The presence of water is usually considered a nuisance in construction, particularly when excavating. Removing water is common practice. In some cases, however, water can be a very useful tool that may simplify things greatly.

With the “flooded excavation principle”, the construction site is flooded after the retaining walls have been installed (e.g., sheet pile). When the excavation is in layered soils facing artesian pressure and confining layers, the weight of the water compensates for the topsoil being removed and prevents failure of the base of the excavation. Particularly when it is difficult to install pump systems, or when reducing the artesian pressure is impossible or undesirable due to other factors, the flooded excavation may be the easiest option.

Rather than with earth-moving equipment, the actual digging is done with a submersible pump that is suspended from an excavator or crane. By installing jetting nozzles on the submersible pump, the soil is agitated, creating a slurry that can be pumped away, thereby digging out the soil. When the intended depth is reached, underwater concrete is poured to create a watertight base that will create a caisson in combination with the retaining walls already installed.

In the picture, you see a perfect example of such a project being conducted in the port area of Copenhagen, Denmark. In order to install a 3-story parking basement, the contractor is excavating down to a level often meters below sea level. The jetting pump used to power the nozzles is a purpose-built BA-C200S8 jetting pump.

**BA-C200S8 – DUTY POINT 1000 m³/h @ 10 bar**

This high-powered jetting pump will run at a staggering efficiency rate of 82% in the duty point and is powered by the cleanest Stage IV final diesel engine in its class: The Volvo Penta TAD1375VE with an AdBlue after-treatment system. The unit is supplied in the latest BBA super silent canopy and is fitted with all bells and whistles such as remote control, integrated flood lights, certified lifting points and LCD CAN-BUS control panel.

Although a niche market, this dredging technology offers many benefits in specific situations. As the method requires a minimum amount of earth-moving equipment, the excavation can be done quickly and safely without any major disruptions to day-to-day life in the city.

Source: BBA Pumps
START WITH A GREAT FOUNDATION
THE INDUSTRY'S MOST ELITE SIDE GRIP FOR 17 YEARS

- Most advanced auto-steering system
- Drives pile up to 50'
- 3,000 vibrations per minute
- Operates from excavator's auxiliary system
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- Ability to drive round pile

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Specialist Swedish contractor Corvara is using an Aqua Cutter 410A remote controlled robot to remove decayed concrete from pylon foundations.

An Aquajet hydrodemolition robot is being used on the pylon foundations in the Swedish ski resort of Åre to cut away decayed concrete on the massive blocks and allow replacement concrete to be laid.

Åre’s ski lift system, which takes skiers up the side of the 1420 m high Åreskutan mountain, was built in phases starting from the late 1970s and has helped turn the previously small village into one of Sweden’s leading winter sports resorts.

The contract to renovate the foundation blocks on the pylons has been awarded to Corvara Industri & Skadeservice, a specialist in repairing damage to industrial installations and a supplier of high-pressure, suction, hydrodemolition and blasting services throughout the Nordic region.

“The robot is so light and compact that we are able to lift it up the side of the mountain on the cableway itself, and then lower it onto the block,” says Mattias Carlsson, project supervisor on the Åre ski lift. “Each block is between 3 and 4 m high and there is a ledge, between 700 and 750 mm in width, that the robot can stand on.

“The machine is so compact and maneuverable that it can be driven along the ledge and even around the corners, so that it can reach all surfaces on the foundation without the need for any lifting devices,” adds Mr. Carlsson.

The bottom part of the foundation measures about 4 x 4 x 1.5 m, while the top part is about 2.5 x 2.5 x 1.2 m. The foundation blocks had aged to the point where Corvara had to use the water cutter jet to remove 200 mm of decayed concrete, so that new concrete could be applied. The entire surface of the top two stages of each foundation has to be removed.

Corvara technicians calculated that the compressive strength of the concrete was about 44 Mpa.

“Jack hammers could of course have been used for this job, but they cause noise and dust, which in this pristine environment is not desirable,” says Mattias Carlsson. “It would also have caused critical vibration damages to the foundations and the pylons. With the hydrodemolition technique it was possible to keep the cableway open during the complete restauration.”

“Using a hydrodemolition robot is faster, the reinforcement of the blocks remains intact, and the casting surface that results has far better adhesion properties than would result from using mechanical chiseling,” he adds.

Use of hydrodemolition was in fact written into Corvara’s contract, which covers 12 foundation blocks and runs from 2015 until the end of 2016.

Source: Aquajet Systems AB
THE DYNAMIC DUO
HERCULES HYDRAULIC HAMMER
AND SONIC SIDEGRIP®

The Hercules Hydraulic Hammer (H3) and the Sonic SideGrip® (SSG) make a dynamic duo! Individually, each can get the job done and provide efficiency to your job time. But, when teamed up, both can provide benefits far exceeding other equipment. Both units are excavator mounting and only take minutes to switch from one to the other. Use the H3 and SSG to set and drive your piles for maximum speed and precision.

H3
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SONIC SIDEGRIP®
A completely modernized university building in Innsbruck, Austria, demonstrates the energy saving potential available with refurbishments. Through integrated planning, the heating demand of the building was reduced from 180 kWh/m²a to just 21 kWh/m²a. The project thus meets the criteria of the EnerPHit Standard for retrofits with Passive House components. The certificate was presented at the official reopening last October.

The building, used by the Faculty of Technical Sciences, was originally built in 1968. As an extensive renovation was necessary anyway, it was decided to improve the energy efficiency at the same time, with moderate additional expenditure. In close cooperation with the Passive House Institute, the planners developed an overall concept, which turned the 8-storey building into an exemplary project. It is currently the world’s largest building to be certified to the EnerPHit Standard.

The reinforced concrete structure consisting of ceilings and supports was retained, but the building envelope and building services were completely overhauled. In addition to a great increase in energy efficiency, this also led to substantially improved occupant comfort. Among other things, this was due to automatically controlled passive cooling at night via windows in summer, the supply of fresh air directly into the office areas through adequately dimensioned transferred air openings, and a good level of thermal protection of the façade. The efficiency of electrical equipment was also increased.

The EnerPHit Standard, introduced by the Passive House Institute, is specially tailored to the particularities of retrofit projects; depending on the initial situation, the solutions developed for new Passive House constructions cannot always be applied on a one-to-one basis. Still, the principles of the Passive House Standard are economically expedient even in the case of refurbishments, above all the consistent use of Passive House components.

The EnerPHit Standard is a guideline for effective and cost-effective refurbishments. Besides energy efficiency, the aspects of healthy living, building preservation and lifecycle costs are also taken into account. The overarching objective is quality assurance; with EnerPHit certification, building owners can be sure that an optimal standard of thermal protection is actually ensured. This is particularly important because subsequent correction of inadequate thermal protection measures is almost always uneconomical.

“The basic principle which should be applied for each structural intervention in an existing building is ‘if it has to be done, it should be done properly’,” says Dr. Wolfgang Feist, who presented the EnerPHit certificate in his capacity as the director of the Passive House Institute. As the University professor in charge of the energy-efficient construction division, the building physicist also has an office in the newly refurbished building. “It is getting increasingly colder outside now into autumn but inside the building it remains pleasantly warm, without the need for using the radiators,” says Dr. Feist. “The building already passed the heat test this past summer. When the temperature in Innsbruck was a record-breaking 37°C, even without air conditioning it remained cool enough to work in the office, thanks to the passive technology. A huge improvement compared with the previous situation.”

Calculation with the design tool PHPP (Passive House Planning Package) which is necessary for EnerPHit certification provides reliable energy values for a building. Due to the individual features of refurbishment projects, the energy-relevant criteria apply for individual building components. Exceeding the respective limit values is permissible if the building has a maximum heating demand of 25 kWh/m²a despite this.

Source: Passive House Institute
SONIC SIDEGRIP® with Articulating Side-Gripping Jaws

The Sonic SideGrip® has been designed, tested, enhanced and proven for more than 17 years.

1° of Plumb
Optional Auto II Steering System® utilizes angle sensors to automatically correct the straightness of the pile to within 1° of plumb.

50' of Pile
The Sonic SideGrip® can handle pile up to 50' long, H-beams, pipe pile and wood pile.

360° of Rotation
The 360° rotation and the three axis of movement allow for full range of motion.

AUTO II STEERING SYSTEM®
The Sonic SideGrip® vibratory pile driver substantially improves job efficiency while reducing extra costs. The side-gripping jaws working in unison with the Auto II Steering System allow for increased maneuverability, driving and capability.

- Improves Safety – Fewer chances for accidents with this method
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- Start Time – Up and running in 50% less time
- Mobilization Costs – Reduces 40% of mobilization costs for a job
- Equipment Costs – Reduces 25% of equipment costs for a job by eliminating extra equipment
- Job Completion – Increases productivity by cutting time by 50% on each job

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Wisconsin Concrete Innovation Makes Seattle Skyscraper Stable

A University of Wisconsin–Madison (UW-Madison) engineer’s solution for streamlining the construction of skyscrapers is having a skyscraper moment in one of the most seismically active regions of the U.S.

All coupling beams in the 140,000 m² Lincoln Square Expansion— which includes luxury condos, a hotel, dining, retail and office space in two 137 m towers in the heart of Seattle suburb Bellevue, Washington — are made of fiber-reinforced concrete using a unique design co-developed by Gustavo Parra-Montesinos, professor of civil and environmental engineering at UW-Madison.

These concrete coupling beams span doorways and windows, helping walls with such openings in them to function as a single structural unit, while bolstering the building as a whole against earthquakes.

Traditionally, coupling beams are reinforced with a labyrinth of rebar, adding a great deal of time, cost and complexity to the construction process.

“Placement of the rebar in these link beams can sometimes control the construction schedule,” says Cary Kopczynski, whose Seattle-based firm is the structural engineering company for the project.

“Most of the west coast of the U.S., of course, is a highly seismic area, so when you’re building concrete structures, they require a lot of intricate rebar to carry the seismic loads.”

As an alternative to excessive amounts of rebar, Mr. Parra-Montesinos’ solution incorporates steel fibers into the concrete mix, and he and University of Michigan collaborator James K. Wight engineered that approach to create beams that equal or exceed the performance of cumbersome rebar designs, yet simplify and speed up the construction process.

The first real-world implementation of the coupling beam solution occurred a few years back. Mr. Kopczynski incorporated the fiber-reinforced coupling beams into a portion of The Martin, a 78 m, 23-story apartment building completed in Seattle in 2013.

Cary Kopczynski credits The Martin’s owner and developer for taking a chance on a technology grounded in research, simulation and laboratory-scale testing, but not yet implemented in the field. “They were very interested in being innovative and embracing new technologies,” he says. “That project was viewed as being a huge success because it reduced the level of uncertainty that existed prior to actually using it.”

This time around, the teams behind the Lincoln Square Expansion embraced the coupling beam technology because of the overwhelmingly positive feedback they received from crews who worked with it on The Martin project, says Mr. Kopczynski.

“The reason we’re using the new coupling beams is that they’re faster, less expensive, and reduce the potential for field mistakes,” he says. “With traditional coupling beams, it’s very common to have placing mistakes in the field because of all of the intricacy. Now, not only can we build the building faster and more simply, but we can reduce the potential for field errors.”

Because the new technology is not yet included in the American Concrete Institute’s building code—which sets the agenda for the concrete construction industry and its regulators—both buildings have had to pass muster with outside peer reviewers engaged by local officials.

Gustavo Parra-Montesinos hopes it will be included in the next edition of the code, which is due out in 2019.

“I think we’ve come up with a very robust design,” he says. “We just need to be able to specify the minimum performance requirement for the fiber-reinforced concrete based on standard material tests.”

Currently, with funding from the Charles Pankow Foundation and other industry partners, Gustavo Parra-Montesinos and his students are studying other types of steel fibers incorporated into the concrete in various quantities.

Ultimately, we expect to establish a link between material behavior and seismic performance of the coupling beam so that users are not required to use the same fiber and in the same amounts as we used in our past research,” Mr. Parra-Montesinos says. “This is a required step to develop design provisions for the building code.”

His research emphasizes large-scale physical testing, an approach that is helping the construction world catch up to the promise of fiber-reinforced concrete. Cary Kopczynski recognizes that potential, and he looks forward to seeing the new coupling beams become more widely adopted in skyscraper construction.

However, he says, a greater payoff will occur when innovative structural engineers like Gustavo Parra-Montesinos develop ways to incorporate fiber-reinforced concrete into other key building components. “Then, we could potentially start reducing the reinforcement-bar requirements throughout the entire core of the building, and that would have an impact in a very positive way on the way we build concrete buildings,” Mr. Kopczynski says.

Source: University of Wisconsin–Madison
The new Hilti Breaker TE 800-AVR featuring Hi Drive technology helps deliver an exceptional 20 Nm of impact energy to break through barriers of demolition performance.

With best-in-class power and comfort, the D-handle design offers versatility for optimal horizontal and vertical breaking for demolition work on walls, correction work on floor slabs, and breaking out opening for doors and windows. And, using the new Hilti Wall chisel TE-SW delivers more impact energy and control when working with wall demolition.

For increased lifetime of the TE 800-AVR, it is equipped with Hilti’s triple chamber sealing and an active cooling system with an intelligent air flow design. The triple chamber design isolates the hammering mechanism, the piston area and chuck helping prevent dust and other harmful external elements from entering the gearing decreasing repair frequency and extending the tool life.

The active cooling system provides an active air flow over electronics, motor, gear and hammering mechanism towards the tool chuck, resulting in much lower operating temperatures. This system provides the operator a cooler tool surface temperature while also increasing the life of seals and lubrication oil.

The TE 800-AVR also features the lowest vibration values in its class thanks to Hilti’s innovative Active Vibration Reduction (AVR) sub-chassis system which cuts vibrations up to two-thirds when compared to conventional tools.

The Hilti TE 800-AVR is built to provide long-term service under the most rugged conditions. For added peace of mind, the TE 800-AVR is backed by Hilti Lifetime Service, a unique service agreement that includes 2 years of no-cost coverage.

Source: Hilti, Inc.

Breaking barriers. Hilti Breaker TE 800-AVR on floor slabs, and breaking out opening for doors and windows.

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Source: Hilti, Inc.
G&Z Breaks into Single-Lane Paving Class with New S400 Slipform Paver

The new G&Z S400 Compact Slipform Paver delivers the top performance contractors have come to expect from G&Z, while adding even greater value. The S400 entry-level single/dual-lane concrete paver offers the versatility to economically tackle a wide variety of applications, including: city streets, ramps, shoulders, highways, airports, dual-lane, off-set, zero- or minimum-clearance projects and barrier walls.

“The S400 slipform paver does not confuse ‘entry-level’ with ‘entry-quality’. It offers the same Guntert quality that contractors have come to expect as well as field-proven features like TeleEnd, AccuSteer and SmartLeg at an affordable price point. With the S400 now in the market, a broader base of contractors can now experience the value-added benefits of G&Z pavers,” says Ron Meskis, president of G&Z. “The S400 delivers value to the customer in its versatility, low operating cost and productivity.”

The S400 will be launched to the North and South American markets at World of Concrete 2016 in Las Vegas. The S400 will be displayed performing 2 different applications – standard slipform paving and pouring barrier wall. This arrangement illustrates how easy it is for the S400 to perform multiple applications on a single jobsite making it an economical solution for any contractor. The S400 barrier wall arrangement utilizes the universal bolting pattern around the tractor. The barrier mold can be attached to the left and right side of the tractor as well as the front and back of the center module. Having 4 points of attachment offers the contractor flexibility depending on jobsite conditions. The offset/barrier mold attachment bracket is able to accommodate any currently manufactured mold giving contractors the ability to continue to use their inventory of barrier and offset molds. The standard slipform paving configuration will features G&Z’s patented TeleEnd, AccuSteer and SmartLeg features.

The G&Z S400 tackles a wide range of

Great Performances at the Lake City

A large residential area called Seestadt ("Lake City" in German) is under construction in Yella-Hertzka Park, near Vienna, Austria. On the jobsite, a K42L truck-mounted pump was used by Cemex. The Mexican multinational that manufactures cement, aggregates, and concrete, has recently purchased this machine from Hittmayr Baumaschinen GmbH, Cifa’s exclusive dealer for Austria.

Philipp Hittmayr, the owner of the company, based in Redlham, explains that they had been selling Cifa vehicles since the 1980s when his father Franz relied on this trademark for the first time. Over time, Cifa has grown in quality and technology, to become one of the world leaders in the industry.

“Being part of the Cifa family is a great advantage,” said Mr. Hittmayr. “It allows us to provide clients with high-capacity machines with the right weight, thereby meeting the strict restrictions in force on the roads in Austria, Germany and Switzerland.”

The K42L is the star of the construction site, it represents one of Cifa’s latest products. The machine stands out for its state of the art pumping unit, the RZ 5-section boom, and the Smartronic™ system.

“The Smartronic™ is a system that can automatically detect all the machine’s positions, thanks to a number of sensors,” explains Marco Calandi, product manager at Cifa. “This ensures 3 levels of safety during boom movement, based on the stabilisation system chosen by the operator.”

Smartronic™ also allows complete diagnostics for all the components of the truck-mounted pump.

Cemex has an office in Vienna and approximately 40 concrete plants across Austria. It relies on a fleet consisting of truck mixers, one mixer pump, and 50 truck-mounted pumps. The K42L is the first Cifa machine purchased by this group.

Source: Cifa S.p.A

FS.905/2 - 901/1
paving applications. With its standard telescopic range of 2.0 m to 5.3 m, the S400 allows contractors to pave most single-lane applications without the need for bolt-on extensions. With optional extensions, the S400 paves out to 7.5 m, giving contractors a combination single and dual-lane slip-form paver to increase machine utilization. Designed around a multi-purpose tractor frame boasting a universal bolting pattern, contractors can easily take advantage of this S400’s design feature to easily mount barrier molds, offset kit hangers and attachments, allowing the contractor to pave multiple applications without major machine reconfiguration.

The G&Z S400 optimizes a contractor’s fleet while keeping options and maintenance costs to a minimum. It is compatible with most options and attachments available on larger G&Z slipform paver models, including: paving kit, tie bar inserters, trailing finishing pan, final finisher, etc.

“Designing the S400 to use many of the same components as our larger pavers allows contractors to expand their fleet with minimal capital expenditure outlay,” adds Mr. Meskis. The paver’s Tier 4i engine offers low fuel consumption, does not require a particulate filter like other Tier 4 engines and offers extended service intervals. Its “Eco-Mode” feature reduces fuel consumption by up to 35%, significantly lowering long-term operating costs. Its economical plow spreader dramatically reduces maintenance costs versus an auger spreader design.

G&Z is dedicated to designing machines that Maximize Available Paving Time and Minimize Everything Else. True to this philosophy, the new S400 adopts industry proven and requested options only available through G&Z. AccuSteer and SmartLeg work together to move the track and swing leg on the fly as well as semi-automatically reconfigure the S400 into 90°, counter-rotate and transport modes, dramatically saving time. VariWidth and TeleEnd reduce paving kit and tractor width change time from days to a quick 2 hours, in most cases. These unique options increase the S400’s paving productivity, which gives contractors more paving days in a season, maximizes productivity and minimizes downtime.

When the tractor frame is equipped with G&Z’s Patented VariWidth System, major tractor width changes can be done in minutes. The S400 is available with G&Z’s patented and time saving TeleEnd: Telescopic Paving Kit End Sections which allow hydraulic telescopic ability of 915 mm per end. The S400 can be equipped with a mechanical dowel bar inserter (DBI) and can be supplied with hydraulic or electric poker vibrators. The paving kit, front tie bar inserter and many of the other optional attachments on the S400 are interchangeable with other G&Z paver models, giving the contractor a more versatile fleet of paving equipment.

Source: Guntert & Zimmerman

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Sterett Crane & Rigging has reinforced its machine fleet with 6 self-propelled vehicles from Faymonville. The SPMC self-propelled vehicles provide unprecedented range for Sterett.

The Belgian manufacturer Faymonville offers SPMC self-propelled “PowerMAX” vehicles for the heavy and special transport sector. These vehicles are used when conventional heavy load tractor units no longer have the pulling force for heavy loads, or when sufficient space is not available. Powered by a 320 hp diesel engine, the SPMC provides endless power with its 170 kN force per axle line. “With these power packs, more modules with driven axles can be supplied. Thus loads of several thousand tonnes at optimum distribution can be moved safely and easily,” says Paul Hönen, North American sales representative for Faymonville.

Sterett Crane & Rigging has 6 locations in a radius of about 1,600 km. The renowned crane and transport provider can now greatly expand its range. Paul Hönen notes that the easy handling of these high-tech products is what convinced Sterett to make the purchase. “The operator guidance of the SPMC system is absolutely user-friendly. The clear touchscreen display indicates all relevant process and transport data quickly and clearly. The driver immediately gets an overview of the selected settings,” he says.

Source: Faymonville Distribution AG

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Leading Crane & Rigging Company Bolsters Fleet with Faymonville Trailers

Source: Faymonville Distribution AG
Benninghoven GmbH & Co. KG hosted the Wirtgen Group’s 8th international industry get-together in 2015. More than 2,500 trade visitors from over 100 countries were treated to a demonstration of practically oriented and pioneering solutions from the Wirtgen Group mineral technologies business sector at the home of the asphalt mixing plant specialists in Mülheim an der Mosel, in Germany.

The industry specialists were given an in-depth look behind the scenes during the tours of the Benninghoven plants in Mülheim and Wittlich. The considerable vertical manufacturing range and the handling of the enormous components used in the production of the gigantic steel structures were very impressive, as was the machinery exhibition that provided a superb overview of the sophisticated product range in the Wirtgen Group mineral technologies business sector. This event offered an ideal opportunity for industry experts to compare notes.

In addition to its premium products, the range of services offered by the Wirtgen Group in the mineral technologies business is based on sound applications expertise and reliable after-sales solutions. In the project business, in particular, expert knowledge and best practice are crucial if potential is to be harnessed to the full, using the correct machine or plant for every application.

## New Hitachi Fuel Advantage Program

Hitachi is building upon its suite of technology solutions and leveraging dealers’ consultation capabilities with the introduction of the Hitachi Fuel Advantage program. Eligible on 23 pieces of Hitachi construction equipment, the program features fuel consumption commitments, quarterly reports designed to help contractors improve efficiency, and an incentive to utilize the Hitachi dealer as a consultative partner.

“Hitachi is about bringing together machines, technology and our dealers to make the contractor’s job easier,” said Liz Quinn, product marketing manager of Hitachi’s ZXLink telematics website. “The launch of the Fuel Advantage program not only provides a fuel consumption commitment, but rewards our customers for meeting with their dealer. It’s about providing our customers confidence and peace of mind with their fuel efficiency.”

Enrolling a machine in the program after purchase qualifies contractors for a credit of $1 per liter above target if the machine’s average annual fuel consumption exceeds the program’s target fuel consumption level. Credits, if earned, will be provided at the end of the year for use at a local Hitachi construction excavator dealership.

Another key component of the program is the ability to use a Hitachi dealer as a consultant. Utilizing ZXLink, contractors will be emailed quarterly fuel burn reports. Dealers and customers are then encouraged to sit down together to review the telematics data, and look for trends, opportunities and insights to improve efficiency in the future. When contractors discuss the first report with their dealer within 60 days of receiving it, they will receive a code redeemable online for a $100 personal fuel card from the participating fuel retailer of their choice.

“We want to help contractors find even more ways to save money,” added Ms Quinn. “Continual dialogue with their dealer will give contractors a better understanding of their equipment, fuel consumption and machine optimization capabilities. It’s a win-win.”

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Eligible machines purchased between November 1st, 2015 and August 31st, 2016 can be enrolled in the Hitachi Fuel Advantage. Machines are eligible for program benefits for 3 years or 5,000 hours from settlement.

*Credit can be used towards the purchase of parts, service, rental or a new machine.

Source: Hitachi Construction Machinery Co.
The applications experts at the Wirtgen Group staged exciting live demonstrations of how things can actually work in practice. The surface miners 2200 SM 3.8 and 2500 SM are representative of the wide range of applications for which the Wirtgen machines are used in the productive extraction of soft to hard stone. The 111 t 2500 SM operated at an impressive 1,065 hp when mining material and loading it directly onto trucks via a conveyor belt. Kleemann was notable for its interlinked machine combination consisting of the jaw crusher MC 110 Z EVO, the cone crusher MCO 9 EVO and the screening unit MS 16 D for crushing natural stone in various high-quality final grain sizes in a three-stage process chain. Once the mobile impact crusher MR 130 ZS EVO 2 had clearly demonstrated how even large quantities of natural stone can be processed, the Kleemann jaw crusher MC 110 Z EVO showed how both machines can also deal effortlessly with high-performance concrete and construction waste recycling. Host of the event, Benninghoven, hit the mark with its granulator MBRG 2000-2 and the gentle granulation of RAP with subsequent separation into 2 fractions. Furthermore, the operation and control of the asphalt mixing plant TBA 3000 was demonstrated on site, covering the material flow from the cold feed stage through the drying and heating processes to the actual mixing process and subsequent loading of the finished mixture.

International specialists shared their knowledge and practical experience in talks on such topics as polymer bitumen and recycling technologies. Themed exhibitions on the technological core competencies of the Wirtgen Group product brands are a recurrent feature at the Group’s get-togethers. During the 2015 Mineral Technology Days, trade visitors were invited to explore the fascinating world of Wirtgen cutting technology, the highlights of the Kleemann EVO series and the modern Benninghoven recycling management system, from RAP processing to the feed systems for the asphalt mixing plants.

No fewer than 19 exhibits – a cross-section of the Wirtgen Group’s comprehensive product range in the mineral technologies business sector – were presented to trade visitors at the machinery exhibition. Visibly impressed by the exhibits and their sheer size, the visitors were particularly drawn to the innovations that were being unveiled for the first time at this event in Mülheim an der Mosel.

Having welcomed Benninghoven into the fold, the Wirtgen Group now offers a complete range of solutions in the mineral technologies business sector for the extraction of mineral deposits, the processing of mineral raw materials and recycling materials and the production of asphalt. The Group now covers the entire cycle from road to mineral technologies and back again, servicing the complete road construction process chain with its own technologies: processing, mixing, paving and compaction and then rehabilitation.

ASTEC Builds Its Largest Burner To Date

ASTEC, Inc., an Astec Industries company, has test-fired the largest burner that it has manufactured since entering the burner market in 2003. Astec built the 150 MBTU long-nose Phoenix® Talon burner for Milestone Construction in Indianapolis to be used in a Dillman unified drum rated at 544 t/h. The burner weighs about 5,443 kg.

Astec burners offer the latest in reliable burner technology combined with complete one-source responsibility. Astec is able to offer everything from a simple burner replacement to a complete installed system, including retrofit installations. The Astec burner group engineers the burners to the specifications of each customer and manufactures each in a state-of-the-art manufacturing facility. Prior to shipment, each burner is tested on one of Astec’s tri-fuel (oil, gas & liquid propane) test stands to ensure fast and easy start-up at installation.

Source: Astec, Inc.
Astec Industries Inc.

Source: Wirtgen Group
Everyone living in a snow region needs them. They are used in private driveways and commercial parking lots, by snow removal contractors and municipalities. Snowmobile and four-wheeler clubs, downhill and cross country ski resorts and hiking trails all require markers to indicate directions or dangers to keep users safe and on the beaten path. Standard markers seem to be anything but “standard”. They do not look professional.

They are made from anything available resembling a stake – rebars, 2x2s, pieces of coroplast, fiberglass whips with a “supposed” reflector on the top. But most are fraught with undesirable downsides. Besides being, in general, eye-sores, many can splinter, warp, bend irreversibly in snow banks, rust and rot. They are dangerous for kids, dangerous to install, dangerous for scratching vehicle paint and to top it off, are often discarded at the end of winter because they are hard to store, need cleaning, need painting, are bent or warped or are just a pain in the butt. True, the fiberglass whips solve some of the problems but are not highly visible, have little reflective power and have no practical way to flaunt any commercial message or identification.

Miracle Markers are the ultimate solution to all the above problems. Use them to delineate or mark anything... professionally.

A 41 mm exterior diameter provides plenty of room to attach stickers displaying any commercial message or contractor identification.

Danger signs, route numbers or other indicator panels can be screwed directly into the high density polyethylene ultraviolet-protected markers. Custom lengths and colors are available. Standard size is 152 cm (plus an 20 cm angle iron extension for implantation). Miracle Markers remain flexible in the coldest temperature and will not kink if bent. They weigh less than 900 g. Contractors have the option to purchase “assembled complete” or non-assembled. Many purchase large quantities of the tubes only and cut and install their own angle-iron feet during seasonal downtime, saving assembly and shipping costs. Custom colors of 5 cm conspicuity tape (often used to identify the underlying surface material) provide a 360° reflection up to 1 km.

Cities or contractors can reserve their “exclusive” custom color, deterring theft and promoting their business or identification.

Source: Securitrim 2002 Inc.
Expanded Line of Timken® Deep Groove Ball Bearings Delivers Run-Quiet Performance

Featuring super-finished raceways and controlled internal geometries, Timken® deep groove ball bearings deliver run-quiet operation, with best-in-class noise and vibration performance when tested against competitors’ products.

Timken recently launched its 6000 series deep groove ball bearing line in North America, which completes the company’s global roll-out of the series to its OE customer base and global distributor network. The new line, which is used in a wide variety of applications and conditions, meets ISO standards and dimensionally interchanges easily with competitor products. It reflects another step in the company’s ongoing commitment to offer Timken customers and end users an even broader range of bearings and power transmission components.

“Timken expanded its ball bearing supply chains to grow its deep groove ball bearing line and deliver product engineered to rigorous Timken quality standards,” said Hans Landin, vice president of power transmission products for Timken. “We expect this initiative to improve the competitive position of both the company and our customers.” Mr. Landin also indicated that Timken plans to continue expanding its ball bearing offering as part of the company’s DeltaX growth strategy. “We want to be the ‘one-stop shop’ for bearings and power transmission products and services for Timken customers worldwide,” he said.

The Timken Company engineers, manufactures and markets bearings and related products, and offers a spectrum of powertrain rebuild and repair services. The company’s growing product and services portfolio features many strong industrial brands including Timken®, Fafnir®, Philadelphia Gear®, Carlisle®, Drives® and Interlube®.

Source: The Timken Company
Since 1972, Comairco has offered its expertise in air compressors and compressed air equipment. As the first exclusive partner of the Sullair brand for over 35 years, with 16 branches in Canada and the U.S. and a team of 65 certified technicians, Comairco has distinguished itself by its efficiency. Customer service, respect and excellence have been the foundation of Comairco’s success.

**IMPROVED EFFICIENCY WITH SIMPLER DESIGN**

Sullair’s updated S-energy® 40-60 hp stationary compressors continue to lead the way in compressed air solutions. S-energy® compressors continue to feature what customers have come to expect of Sullair – efficiency, durability, reliability and serviceability – and now have been enhanced to incorporate a number of improvements for the user.

Sullair’s S-energy® 40-60 hp compressors are upwards of 5% more efficient, thanks to strategic engineering and design. The updated S-energy® units offer a robust 3G enclosure design, which is simpler than the previous design. The units also feature Sullair’s same bulletproof, globally recognized air end with its highly efficient asymmetric profile and tapered roller bearings, all backed by Sullair’s 10-year Diamond Warranty.

We know compressors are key to our customers’ operations running smoothly, which is why S-energy®’s reliable performance helps ensure maximum uptime – and maximum confidence – on the factory floor. Sullair’s S-energy® units were updated to incorporate a stronger, more robust design. The 2-piece oversized oil/aftercoolers now handle higher cooling capabilities (46°C). The units also incorporate a new starter cabinet, NEMA 12, allowing users to easily switch voltages from 230 V to 460 V.

When maintenance and service is needed, the S-energy® units have incorporated changes making it a breeze. The units feature a newly-added, easy access oil sampling valve, an external USB port for the customer and maintenance technician, and lift-off panels.

To further help the user reduce costs, including for fluid disposal, S-energy® compressors are factory-filled with biodegradable Genuine Sullube® 10,000-hour fluid. Source: Comairco
**Raw-Edge V-Belt from ContiTech: More Power, Longer Service Life**

With the FO Pioneer, the ContiTech Power Transmission Group introduces a high performance raw-edge V-belt for drive solutions in machine and plant engineering. Compared to the FO Advance, the FO Pioneer offers up to 20% more power transmission and longer service life – a development that demonstrates the extensive material expertise of the specialist in rubber and plastics technology.

The raw-edge drive belt is oriented towards the needs of the industry. It owes its improved product properties to its base material ethylene propylene diene monomer rubber. “EPDM has numerous advantages over conventional rubber compounds,” explains Regina Arning, head of the industry segment at the ContiTech Power Transmission Group. “The material is dynamically more stable and has a higher temperature resistance ranging from -40°C to +120°C.”

A sub-construction made of EPDM forms the basis, a tensile member made of polyester and a cotton cover provide more stability. The new belt is resistant to dust and tropical conditions, it is also conductive according to ISO 1813 as well as partially oil resistant. It replaces the FO Advance in dimensions up to 2,932 mm. “Our customers benefit from a consistent development, whereas the price level remains the same,” says Regina Arning. For applications that require belt lengths over 2,932 mm, ContiTech continues to offer the V-belt FO Advance.

The ContiTech division is one of the world's leading suppliers of technical elastomer products and is a specialist in plastics technology. It develops and produces functional parts, components, and systems for machine and plant engineering, mining, the automotive industry, and other important industries.

Source: ContiTech AG

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Bosch Rexroth GoPak™ hydraulic power units (HPU) bridge the gap between standard market products and engineered-to-order power units for machine tool, plastics, automotive, material handling, presses, marine, metallurgy, and other hydraulic applications. Rexroth’s GoDesigner™ smart configurator software tool expedites the selection of pumps, motors, valves and thousands of additional options and accessories.

Unlike typical product selectors and configurators producing an invariable design, different parameters can be dynamically changed in the GoDesigner tool to fine tune a design around functionality, price or delivery. In addition, units are optimized to yield the smallest footprint possible without sacrificing functionality and maintainability.

The GoDesigner configurator incorporates the latest components for valve assemblies, pressure sensors and gauges, filters and other accessories to meet rapidly changing application requirements. Competitively priced quotations are available in one business day and lead times can be as short as 3 weeks when using Rexroth’s GoTo product offerings. GoPak Champion personnel are also available to help with configuration questions.

At the time of the quote, a comprehensive documentation package specific to the configuration is available, which includes a bill of materials, general hydraulic schematic, 2-D general assembly drawing, 3-D model, and data sheets for all components, if requested.
Sellick’s Latest Rough-Terrain Forklift

Sellick Equipment Limited of Harrow, Ontario, announces a new model of rough terrain forklift. The S150, 6,800 kg capacity @ 60 cm load center is now in full production. It is powered by an 74 hp Tier 4 final diesel engine that does not require exhaust after-treatment, diesel exhaust fluid, nor regeneration cycles. The engine is coupled to a fully automatic power shift 4 speed transmission and when equipped with the 4x4 option, allows for on-the-go engagement of the steerable drive axle.

The S150 is designed for heavy industrial applications such as steel and plastic pipe manufacturing/distribution, steel fabrication, engineered wood products, concrete products, automotive recycling, public utilities, to name a few.

Established in 1969, Sellick Equipment continues providing quality rough terrain material handling products and support through a North American wide dealer network.

Source: Sellick Equipment Limited

K-Tec Expands into Land Leveler Market

K-Tec Earthmovers Inc. has released a new line of land levelers to expand the company’s product offering to earthmoving contractors and land forming professionals. The K-Tec land leveler has been designed for maintaining haul roads, precision site leveling, and field drainage. K-Tec’s heavy duty land levelers range in size between 3 and 8.5 m widths. Various advancements are included as standard features such as walking axle, single simplistic tilt, depth level gauge, and LED light package. A unique moldboard curve design enables superior rolling of dirt. The units are also compatible with dual GPS/laser for precision grading work.

The models come in either a Rigid frame, or a Flex hitch design. The Flex models enable the folding back of the hitchpole for a legal road transportation widths of under 2.6 m to transport the leveler between job sites.

“We have been looking for an effective solution to diversify our product offering,” states Russ Goossen, K-Tec’s CEO. “The K-Tec land leveler is an exceptional complimentary piece of equipment to our bulk earthmoving scrapers. The levelers are essential for maintaining a proper haul road and completing the finish work to grade. Our hope is for contractors to find K-Tec as the premier, one-stop-shop in earthmoving and land forming equipment.”

Source: K-Tec Earthmovers Inc.
Appointments

Takeuchi-US, a global innovation leader in compact equipment, has announced promotions in their parts department and parts warehouse. Cameron Wilson has assumed the role of Parts Warehouse manager and Cody Ackerman has assumed the role of Regional Parts manager, effective immediately.

As Parts Warehouse manager, Mr. Wilson will be in charge of parts shipping and receiving. Mr. Ackerman is responsible for handling all of the parts business and issues from Ohio to Alaska.

“With the recent expansion of our distribution facility, we have made several new additions to our team. We are fortunate to have a large pool of qualified candidates to draw from when advancement opportunities present themselves,” said Mike Ross, director of Operations at Takeuchi-US. “Cameron brings some very strong leadership skills to the Parts Warehouse manager position, along with a great attitude. Cody’s promotion to his position is due to his strong attention to detail and demonstrated commitment to customer service. Both promotions should have an immediate impact on our customer service experience.”

Source: Takeuchi-US

Lifetime Air-End Warranty on VMAC Air Compressor and Multi-Power Systems

On December 1st, 2015, VMAC announced all new VMAC air compressor and multi-power systems now qualify for a lifetime warranty on the air end. This means that anyone buying a VMAC system can rest assured that at any time during ownership of their compressor, if there is a manufacturer defect, VMAC will either fix or replace it.

This gives VMAC customers unprecedented peace-of-mind in product performance and value for investment. The warranty applies to all VMAC UNDERHOOD engine-driven air compressors, RAPTAIR stand-alone engine-driven air compressors and multifunctions, and PREDATAIR above-deck hydraulic-driven air compressors. So regardless of the customer’s need, VMAC has a lifetime warranty for them. It is the same compact powerful performance VMAC is known for, now guaranteed for life.

“I believe offering this lifetime warranty on our air ends is the right thing to do,” said Jim Hogan, VMAC president. “We have world-class engineering and manufacturing capabilities and have proven this for many years. It’s time to stand by those capabilities and show our customers that we understand how important their investment is. In VMAC’s 30-year history, its name has come to represent trust, service and value, and implementing this warranty embodies that spirit.”

The warranty applies to all new VMAC air compressor and multi-power systems purchased on or after October 1st, 2015.

Source: VMAC

Preregistration Now Open for BC’s Big Iron Showcase

The Pacific Heavy Equipment Show, BC’s Big Iron Showcase, returns to Tradex in Abbotsford May 13-14, 2016. This key industry event takes place every 2 years and features tons of heavy equipment.

Registration is now open for the 2016 edition of the show. For a limited time, visitors can preregister for just $10 and fast-track their entrance to the show. Registration is $20 at the door. Convenient online registration is available here or by visiting the show website: www.PacificEquipmentShow.ca.

The Pacific Heavy Equipment Show is THE venue for equipment owners, operators and purchasers representing the fields of general construction, trucking, public works, utilities, aggregate production, road building and maintenance from across Western Canada to see, demo and purchase the equipment and services they will need to sustain their operations into the future.

For the second time, TRUXPO will be co-located with the Pacific Heavy Equipment Show. Combined, the 2 shows will completely take over the entire Tradex complex, inside and out. Billed as Western Canada’s largest trucking event, TRUXPO will include anything and everything to do with trucking, transportation and logistics. It is the only major motor transport industry show in the region that includes ALL facets of the industry. Together, these shows represent a one-stop trade event for those in the heavy equipment and trucking industries.

Source: Master Promotions

MasonryWorx, the association representing brick, block and stone manufacturers in Ontario, has a new face at the head of its board table.

Bob Sanders, who joined the board as a director 2 years ago, was recently named president of the organization. He takes over the position from outgoing president Judy Pryma.

“I’m looking forward to continuing the great work our board has accomplished educating consumers, builders and municipalities about the benefits of building with masonry products,” said Bob Sanders.

Mr. Sanders has gained deep understanding of the masonry industry through his position as director of Customer Solutions for Shouldice Designer Stone and Fusion Stone. He has worked for Shouldice for the past 12 years and currently overseas national sales.

Over the coming year, Bob Sanders said he will focus on helping MasonryWorx promote the use, understanding and benefits of masonry products and systems in the design and construction of communities across Ontario.

Source: MasonryWorx

Source: VMAC
4 Seasons Tiges N3043 Gerquip-Magic Screed C3161 Plumwall ICF Bracing Systems N1470
A. Karpat Ltd. N3123 Greco Aluminum Railings N2964 ProAll Reimer Mixers N1125
Aarcomm Systems Inc C7185 Heat King O31734 ProScuff Enterprises, Inc. N2047
Advanced Coatings Inc. S13353 HEWMAC Industries N3222 Pultrall N1912
AGL Manufacturing Ltd. C6484 Historic Building Products Ltd. N2271 Quad-Lock Building Systems N753
Alliance Concrete Pumps C6462 Hydro Mobile N2063 Rapid Roll C7480
Art Mould Plastics Ltd N2869 Imbotec Group S13224 Red Leaf Stone Anchors N2170
Atlas Polar Company Ltd. N2653 IntegraSpec ICF N163 Remdevice C7287
Bartell Family of Companies O32100 JK Thermal Solutions N1274 Rhino Carbon Fiber S13145
Bay-Lynx Manufacturing Inc. N127 Kryton International, Inc. S11015 Ritchie Bros C4111
Better Air Mfg. N2949 Levitt Safety LTD N1854 RNP Industries Inc. S12351
BIK Hydraulics Ltd. C4709 Logix Insulated Concrete Forms N1915 Road King GPS N754
BP Composites Ltd - TUF-BAR N2319 Marcotte Systems N337 Scanreco C4220
BriteSpan Building Systems C3054 Metaltech N2069 Sensors & Software Inc C4222
BSM Wireless C4150 MoveX Innovation C7279 Sierra Stone / Rubber Stone S12618
C.V. International Plastics N3244 MPAQ Automation Inc N1313 Skyclajc C7261
Calhoun Super Structure Ltd. N1869 New Grind Inc O31461 Steam Engineering N2852
Canam-Buildings N2244 Norseman Inc. N2062 Superform Products Ltd. N2952
Can-American Stone Spreader C6143 Norstar Industries Ltd. S12257 Thura Building Products N128
Chalmers Suspensions Int’l Inc. C7533 Nour Painting Tools S13050 TIREBOSS C7075
CMic C7627 NUDURA Integrated Building Technology Top Werk Group N618
Concord Concrete Pumps C6962 N2221 TUFF BUILT Products Inc. N2969
Cosella-Dorken Products, Inc. O32223 Nuform Building Technologies Inc N2245 Ultra-Span Technologies Inc. N757
CRS Specialties N2805 Pallinger North America C5403 WerkMaster O31145
Diamond Productions Canada S11115 Patterned Concrete Industries Ltd S12451 Zone Garage S12929
DiamondBack diamond tools Inc. S12951 Pavometrics Systems Inc. C7611
Dyair Manufacturing Corp. O31752
DY Concrete Pumps C6573
Easy-Kleen Pressure Systems Ltd. C7005
EcoPoxy S13431
Envirochute Systems Inc. N153
Explorer Software C4014
Fab-Form Industries Ltd N1916
FILCOTEN Trench Drain / Hydro BG N763
FRACO Products Ltd. N1419
Frost Fighter, Inc. S10352

World of Concrete 2016 • February 2 - 5 (exhibits); February 1 - 5, 2016 (seminars)
Las Vegas Convention Center, Las Vegas, NV USA

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Agenda

World of Concrete 2016
February 2 - 5 (exhibits); February 1 - 5, 2016 (seminars)
Las Vegas, NV USA

The Rental Show
February 21 - 24, 2016
Atlanta, GA USA

The Work Truck Show
March 2 - 4, 2016
Indianapolis, IN USA

NASTT’s 2016 No-Dig Show
March 20 - 24, 2016
Dallas, TX USA

2016 Quebexpo - ALO’s Rental Show
March 22 - 23, 2016
Laval, QC Canada

World of Asphalt and AGG1
March 22 - 24, 2016
Nashville, TN USA

Atlantic Heavy Equipment Show
April 7 - 8, 2016
Moncton, NB Canada

bauma 2016
April 11 - 17, 2016
Munich, Germany

Expo Grands Travaux
April 22 - 23, 2016
Montreal, QC Canada

TRUXPO / Pacific Heavy Equipment Show
May 13 - 14, 2016
Abbotsford, BC Canada

Strive for Sustainability Solid Waste & Recycling Conference/Trade Show
May 15 - 18, 2016
Sagamore, NY USA

IFAT
May 30 - June 3, 2016
Munich, Germany

AORS Municipal Public Works Trade Show
June 1 - 2, 2016
Sturgeon Falls, ON Canada

Ankomak 2016
June 1 - 5, 2016
Istanbul, Turkey

Waste Expo 2016
June 7 - 9 (exhibits); June 6 - 9, 2016 (seminars)
Las Vegas, NV USA

INTEROUTE&VILLE
June 14 - 16, 2016
Paris, France

IFAT India
September 28 - 30, 2016
Mumbai, India

Xplor 2016
October 5 - 6, 2016
Montreal, QC Canada

Offshore Energy Exhibition & Conference
October 25 - 26, 2016
Amsterdam, The Netherlands

BAUMA CONEXPO INDIA
December 12 - 15, 2016
Gurgaon/Delhi, India

CONEXPO-CON/AGG 2017
March 7 - 11, 2017
Las Vegas, NV USA

SMOPYC
April 4 - 7, 2017
Zaragoza, Spain
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